



State of Tennessee
Department of Finance and Administration
Office For Information Resources
GIS Services

State of Tennessee GIS: How to access TNMap Services

September, 2007

Provided by:
OIR GIS Services

Accessing GIS Data Via the TNMap

GIS data available from the TNMap is designed for two types of users. For casual GIS users that desire a simple and quick method for accessing published GIS data, there is the on-line viewer. The viewer only requires a web browser and can be accessed at <http://TNMap.state.tn.us>.

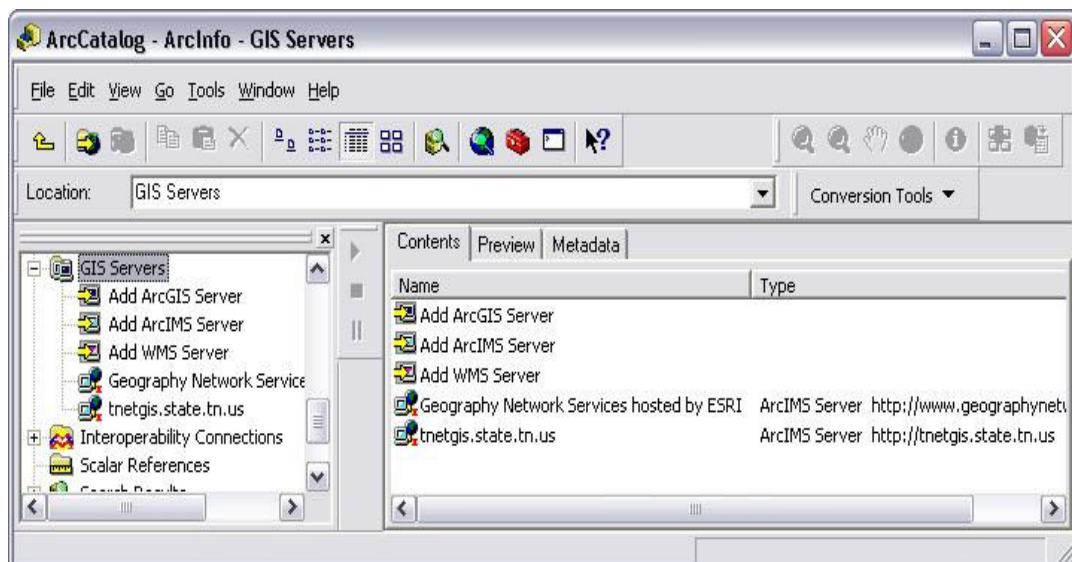
For advanced GIS users that desire additional functionality, data is published as ESRI ArcGIS/ArcIMS map services. These services are available via the internet but require the user to have additional desktop GIS software capable of consuming these services.

Users desiring to access the published map services and having the necessary compatible software may do so via the internet at the following URL: <http://TNMap.state.tn.us>. For ESRI desktop users (ArcView/ArcInfo), the following procedures explain the steps necessary to access TNMap data.

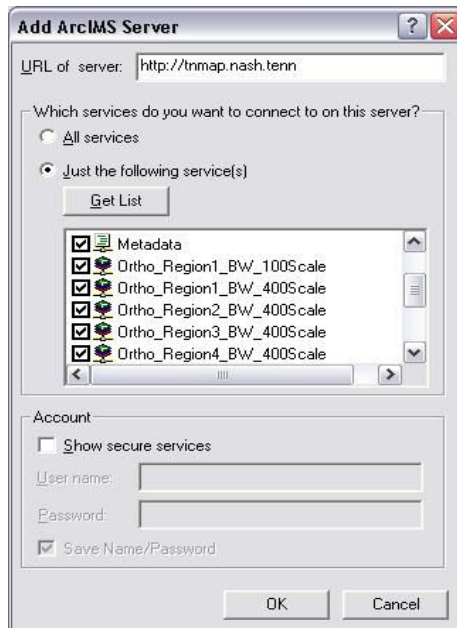
How to access TNMap Services via ArcCatalog

Accessing an ArcIMS Server

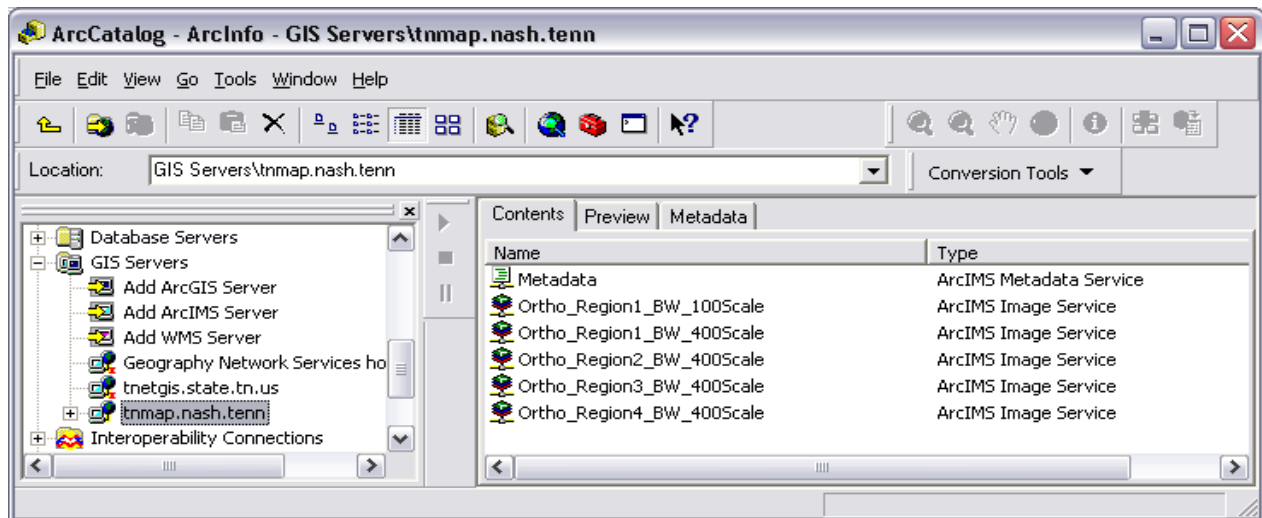
1. In the ArcCatalog table of contents (TOC), click **GIS Servers**.
2. In the GIS Servers folder, double-click **Add ArcIMS Server**.



3. In the dialog box that appears, type in the URL of the TNMap Server. (<http://TNMap.state.tn.us>)



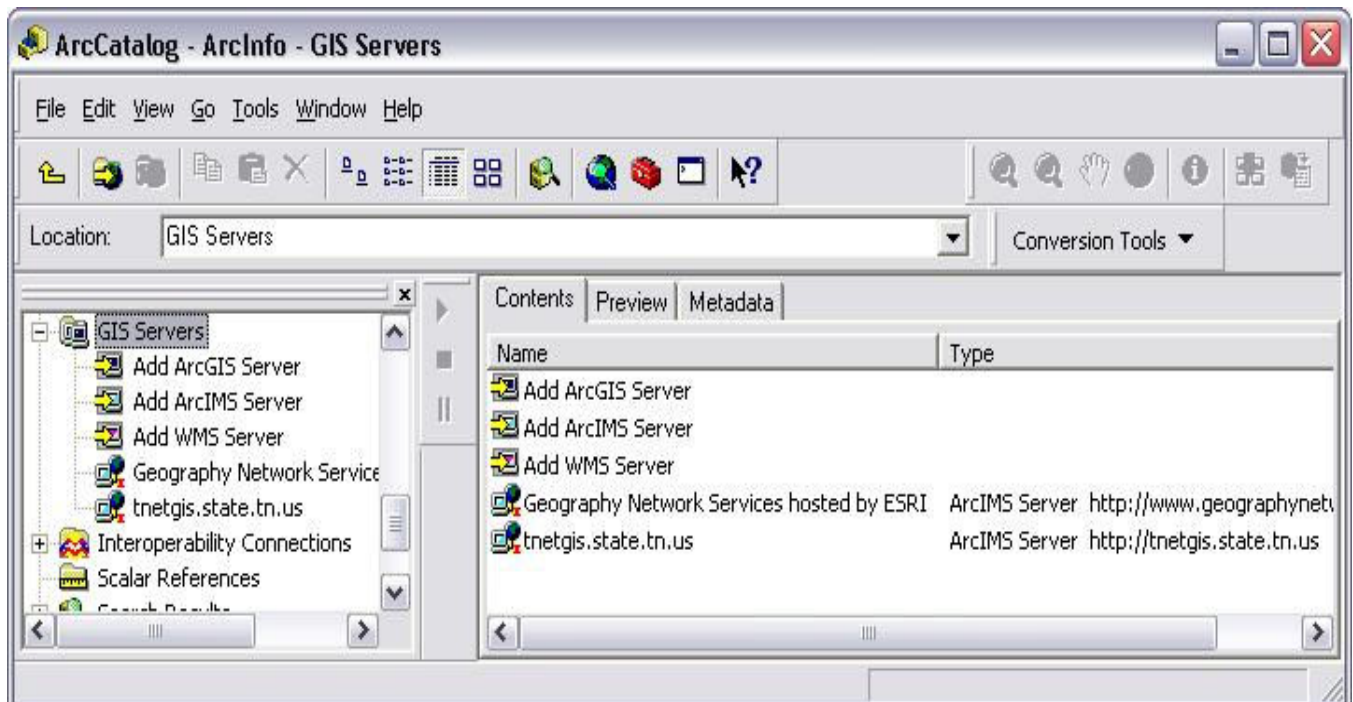
4. If you only want to access particular services on this server, click **Get List**. A list of all services that are available on the server appears.
5. Check the services you want to be able to access from this server.
6. Click **OK**.



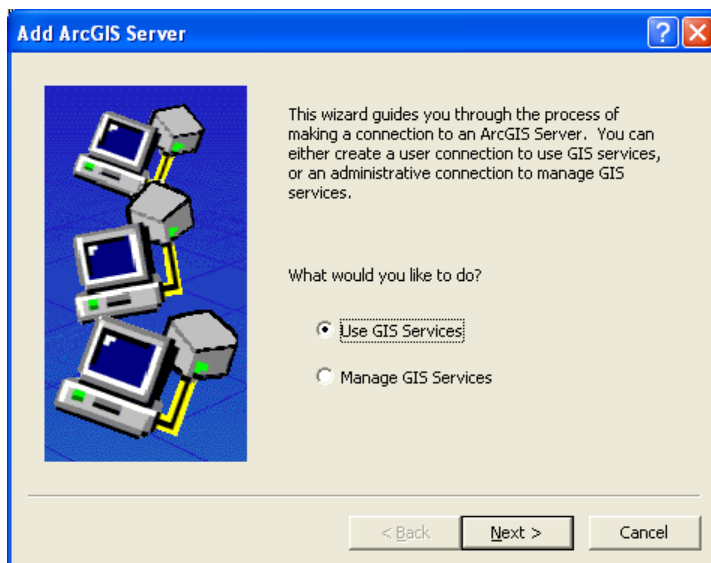
7. Once connected, the available services will appear under the **Contents** tab where the service can be previewed and the metadata browsed.

Accessing an ArcGIS Server

1. In the **ArcCatalog** table of contents (TOC), click **GIS Servers**.
2. In the **GIS Servers** folder, double-click **Add ArcGIS Server**.



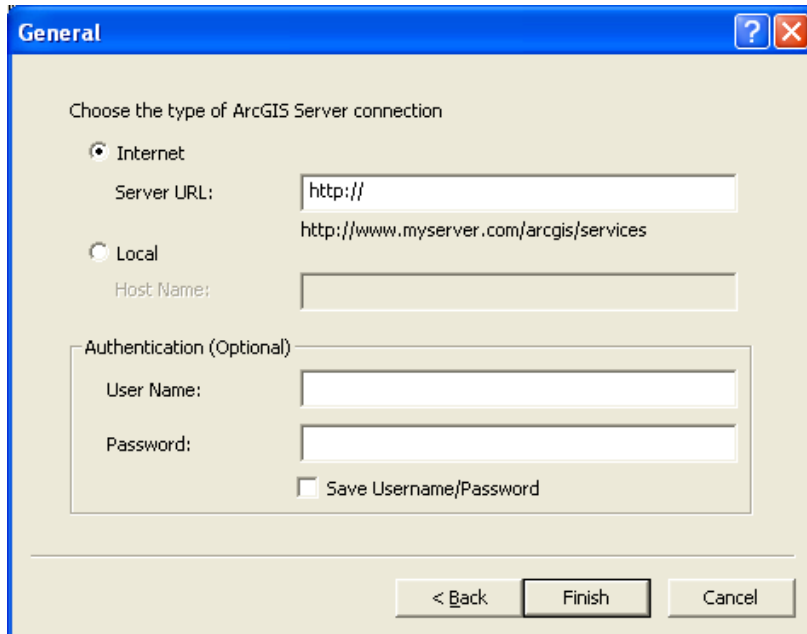
3. Choose **Using GIS Services** and click **Next** at the **Add ArcGIS Server** Menu.



4. In the **General** menu, select Internet and enter the following URL:

<http://TNMap.state.tn.us/arcgis/services>

and click **Finish**.

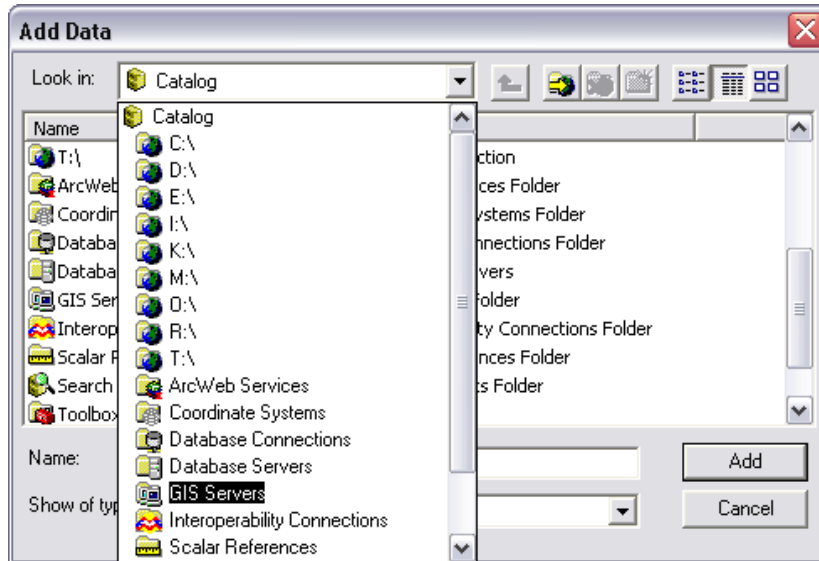


The image shows a 'General' dialog box with a blue title bar and standard Windows window controls. The main area is light beige. At the top, it says 'Choose the type of ArcGIS Server connection'. There are two radio buttons: 'Internet' (selected) and 'Local'. Under 'Internet', there is a 'Server URL:' label and a text box containing 'http://'. Below this, the full URL 'http://www.myserver.com/arcgis/services' is displayed. Under 'Local', there is a 'Host Name:' label and an empty text box. Below these options is a section titled 'Authentication (Optional)' which contains 'User Name:' and 'Password:' labels with corresponding empty text boxes. At the bottom of this section is a checkbox labeled 'Save Username/Password' which is unchecked. At the very bottom of the dialog are three buttons: '< Back', 'Finish' (which is highlighted with a black border), and 'Cancel'.

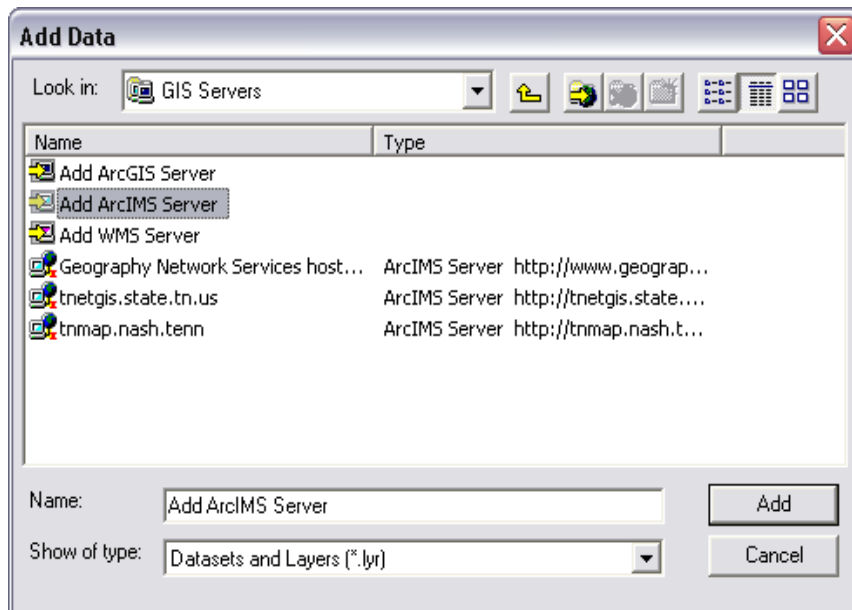
How to access TNMap Services via ArcMap

Accessing an ArcIMS Server

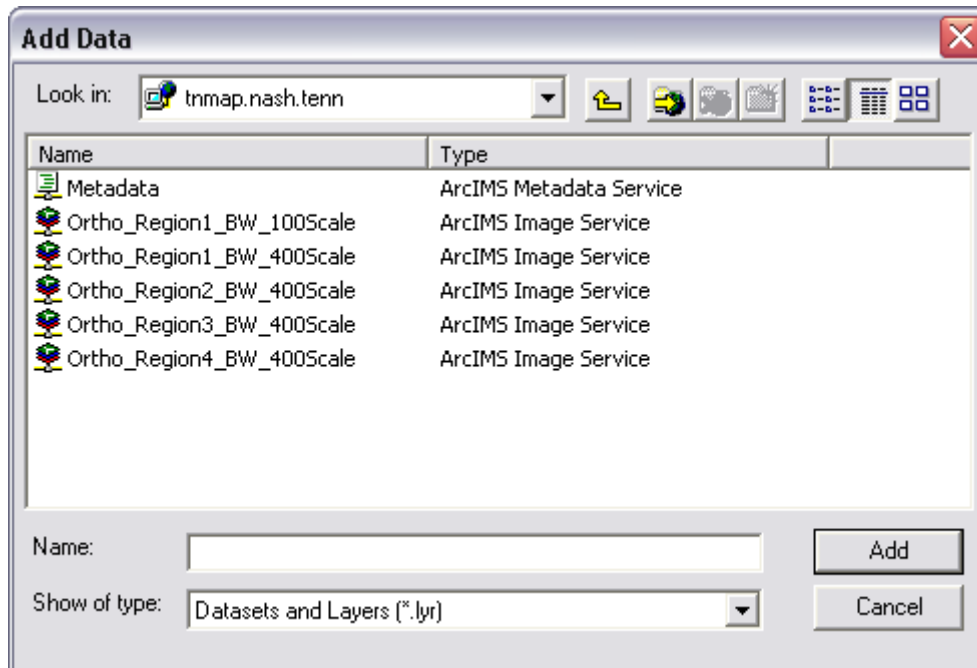
1. Using the ArcMap **Add Data** button, navigate to the **Catalog** folder at the top of the folder tree. Double-click on the **GIS Servers** connection.



2. In the **Add Data** menu GIS Servers menu, double-click **Add ArcIMS Server**. Refer to step 2 in 'How to access TNMap Services via ArcCatalog - Accessing an ArcIMS Server' to complete the connection

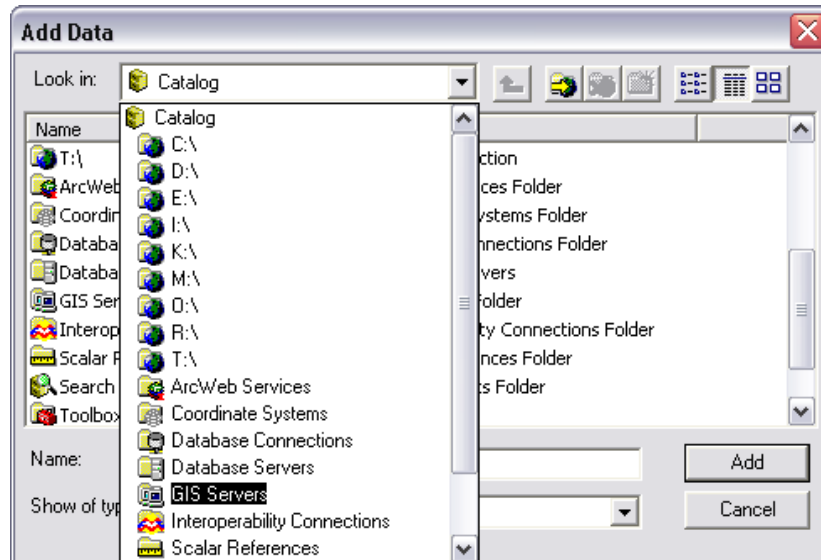


3. Next, select the service(s) that you would like to add to your local environment and click the **Add** button.

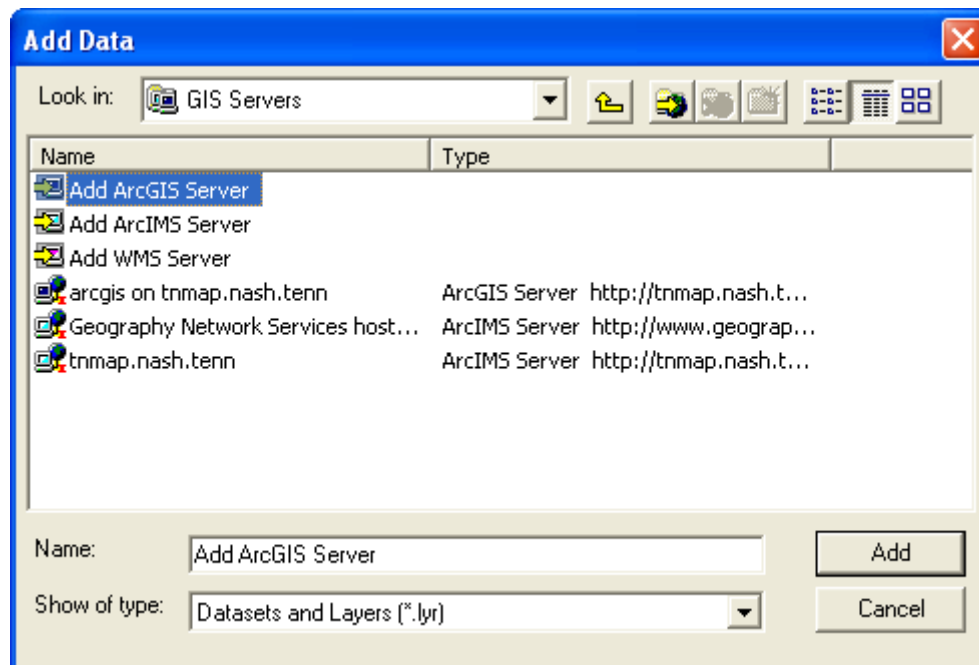


Accessing an ArcGIS Server

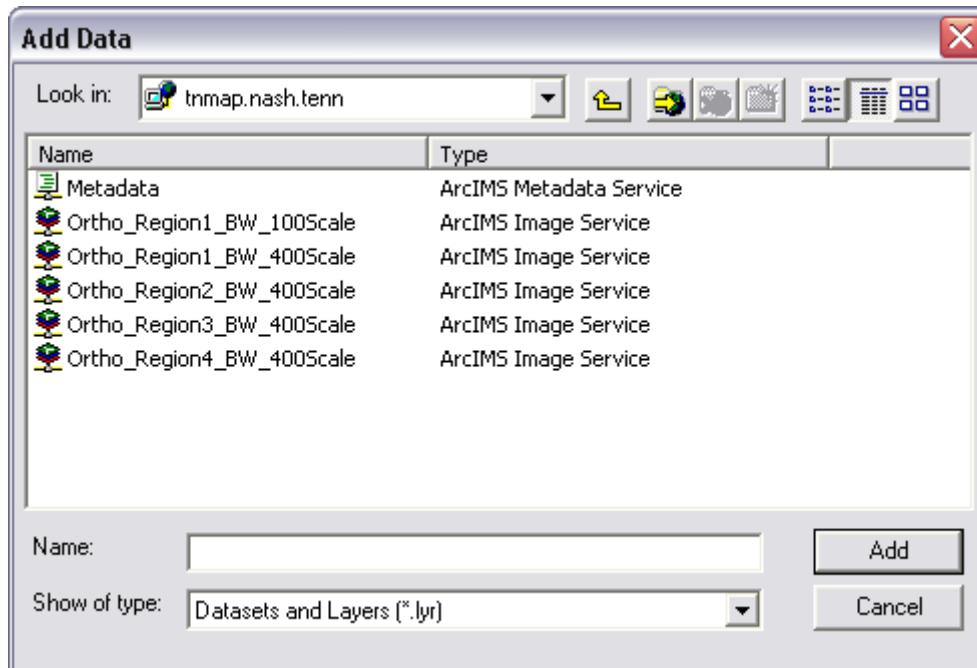
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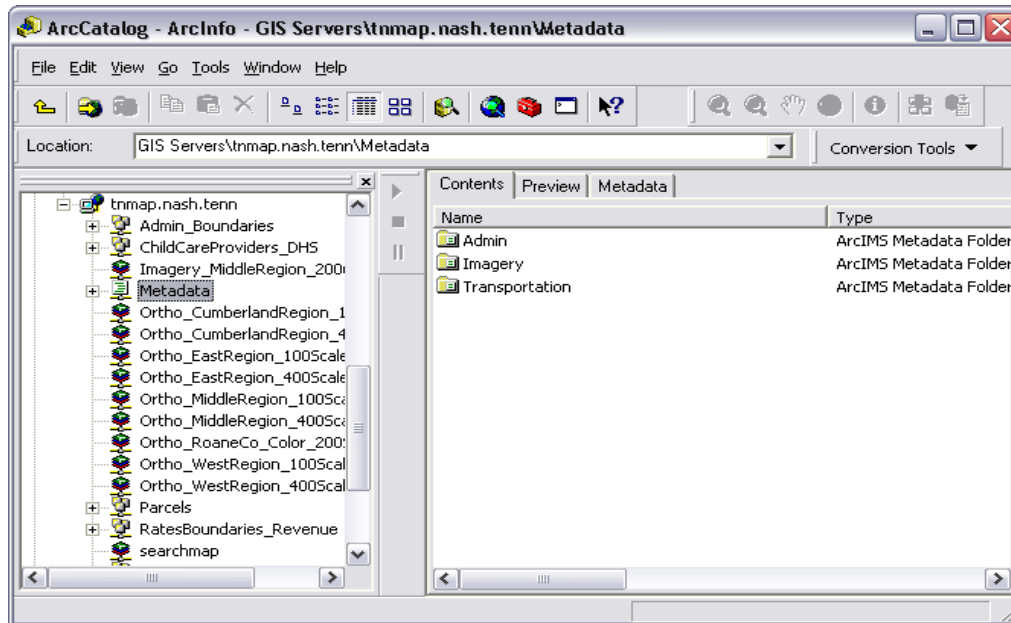
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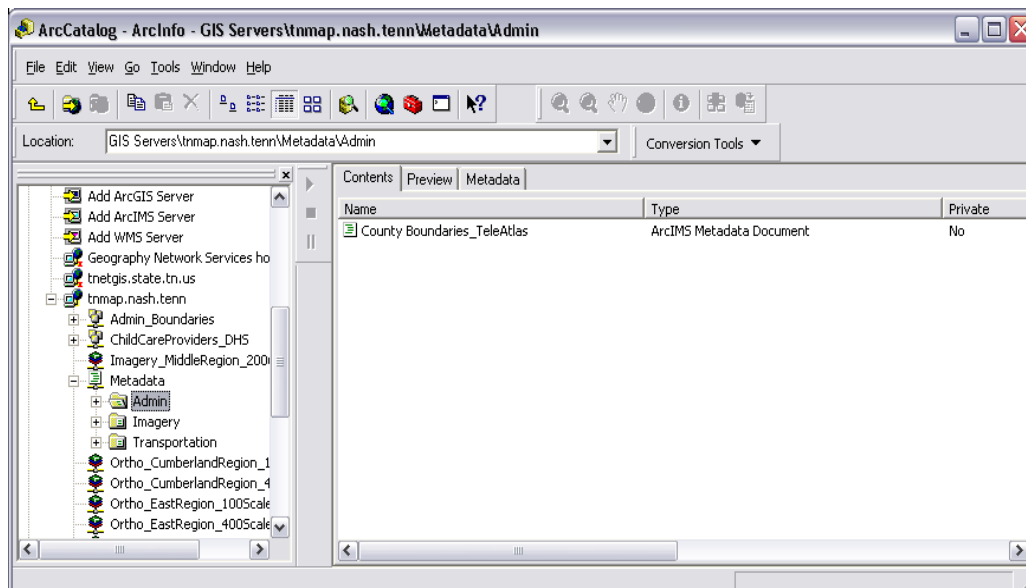
Accessing an ArcIMS Metadata Service via ArcCatalog

Once a connection to the TNMap server is established, it is possible to view the metadata service.

1. In the TOC, click on **Metadata**. This will list the available metadata containers.



2. In the **Contents** tab, double click one of the folders to show the available metadata for that container.



3. Select the metadata to be view and click on the *Metadata* tab to view the metadata for the selected layer.

